

Investigative Design Worksheet

On the following pages, you will find the questions that students discussed in small groups and as a whole class during this lesson.

Learning Target: I can plan an accurate inquiry that addresses the impact the weight of the car has on its' speed.

1. **Complete** your analysis of the cars and ramps system. Back of yesterdays entry task or on the front table. It must be **checked** and **initialed** by your table partners.
2. **Plan** how you will approach an investigation to find out the answer to this question.

Investigative design

Question: How does the weight of the car affect its' speed?

Identify the variables:

Manipulated Variable-

Responding Variable-

Two Controlled variables-

Write a hypothesis:

Without the CPO timer, make some **observations** as you change the weight and **record** the ones below that you think will help you answer the question.

What data will answer the question?

How will you organize the data to present the clearest answer to the question?

What did you learn in class today?